

The Question

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Healthcare Link to Healing Environments



1 Can Design Impact Medical Outcomes?



- Reduced Length of Stay
- Lower the Use of Medication
- Improve Sleep Quality
- Patient Satisfaction



What is a Healing Environment?



Positive Distractions



Reduction of Noise ~



Rooms with a View - Ulrich



2 What is Evidence Based Design?



Available Environmental Design Research



Quality & Safety



Staff Satisfaction



Patient Outcomes

Design Recommendation



3 Can Design Impact Infection Control?



Where are you safer?



Single Bedded Rooms



Sources Risk



Bacteria Mitigation with Natural Materials



Impact of Furnishings & Equipment



Consistency in Layout



3 Can Design Reduce Costs ?



Operations - Staff



True Cost of Quality Design
maintenance

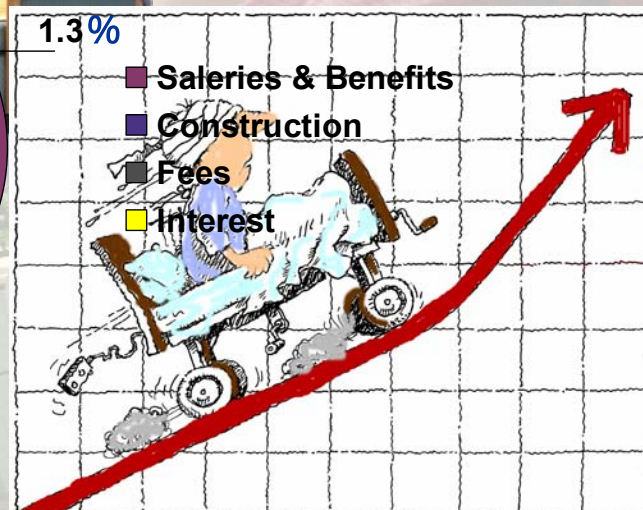
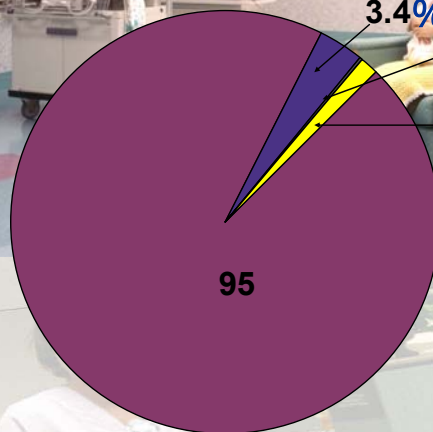
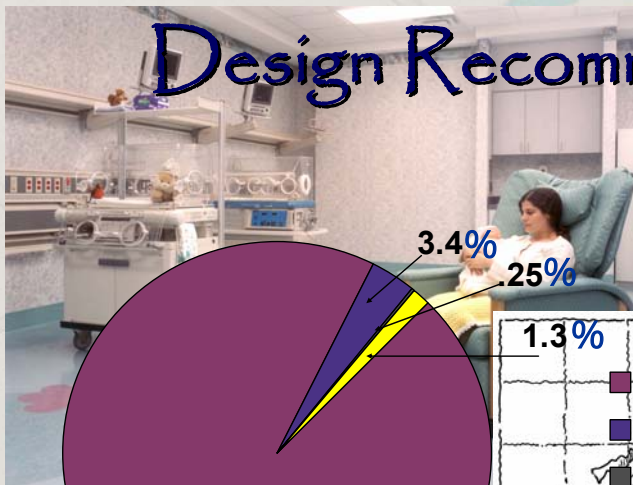


Cost



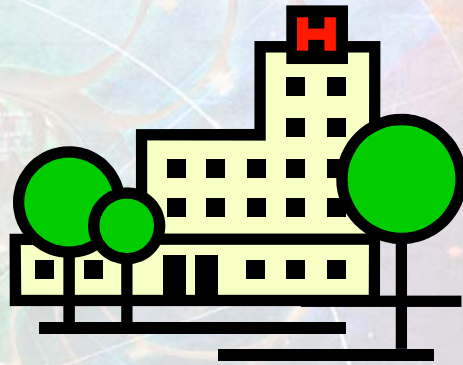
Life Cycle Cost

Design Recommendation



Fable Hospital

Published Finding in lead article of the Fall 2004 Issue of Frontiers of Health Service Management



4 Can Design Address Consumer Demands ?



Healing for the Whole Person

The Comfort of Touch

Delight the Visual Sense with Light & Art



The Relaxing Sounds of Water



Fresh Air & Flower Power

Taste the Experience of All of the Senses

Family Centered



Patient Privacy



Design for the Lifespan



Keeping the Patient / Family Informed



Lessons from Birthing & Hospice



5 Can Design Balance Technology with High Touch ?

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Understandable Technology

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Design Recommendations

Visibility &
Good Location



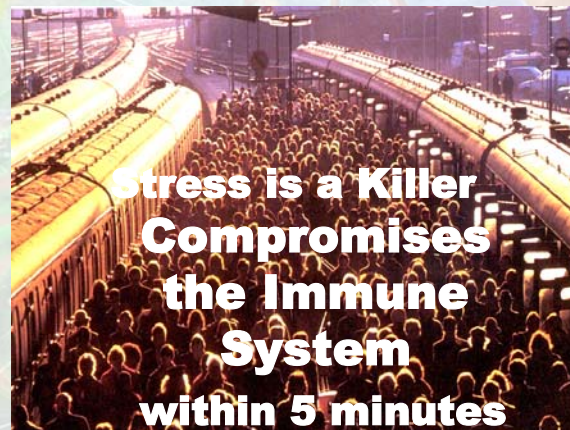
Even Scary Equipment Can Appear Friendly



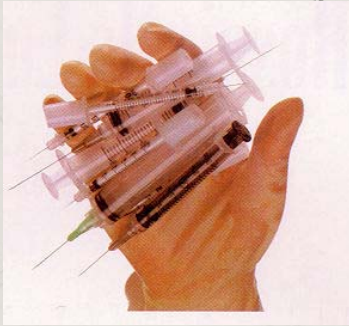
Good Wayfinding
Supports a
Understandable
Sense of Place

6 Design for Stress Reduction

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Causes of Stress



Anxiety of Treatment



Fear of Pain

Attitude of Staff



Lack of Information



Not Knowing How to Get There

Concepts in Wayfinding



Design Recommendations



Empowerment is Learning
that is Easy to Access and Attractive

Empower the Patient with Fun,
Interest and Entertainment



Learning Spaces Need to Culturally
to the Patient Population

7 Nature is a Powerful Design Tool



Designing with the Natural World

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Biophilia – Hardwired to Nature

Consider the Power of Fish
for Stress Reduction



Aspects of Nature can Provide a
Peaceful Journey



Elements of
Nature can
Surprise &
Delight

Design by Biophilia



Biomimicry



Design With Biodiversity

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Biochemistry Counteract Toxic

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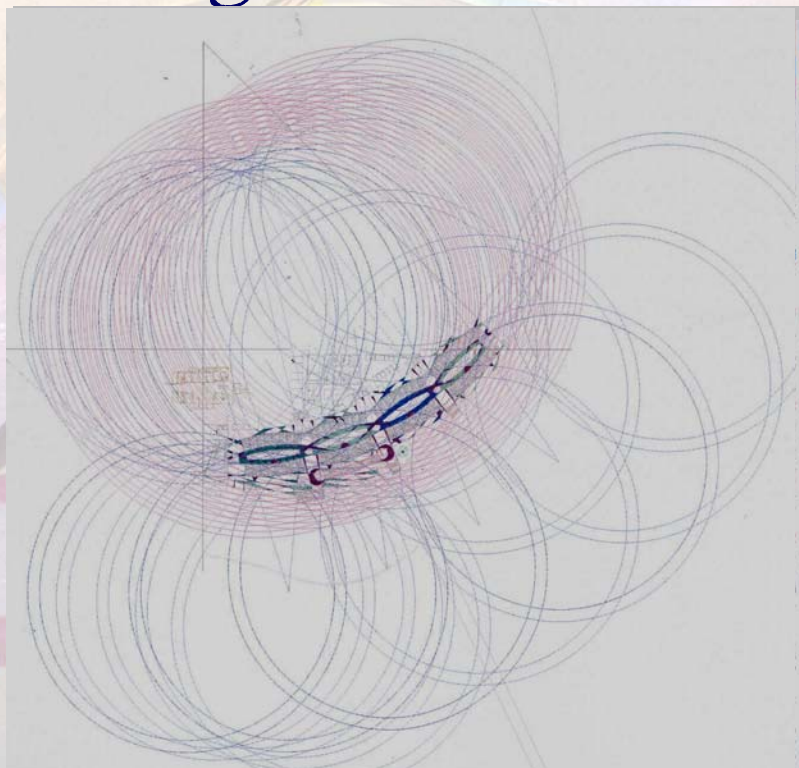


Fractal Forms

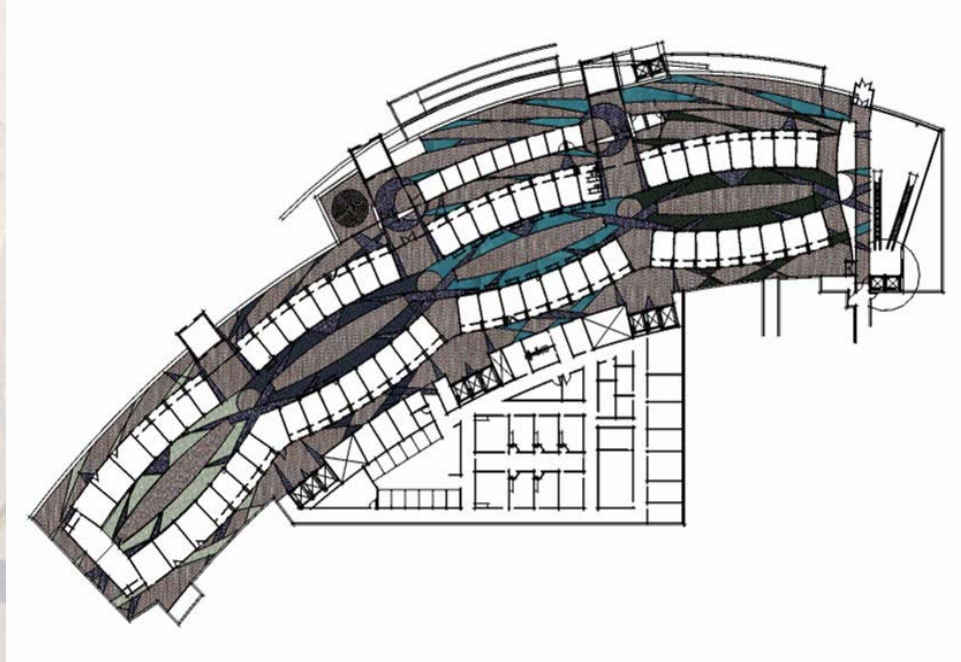
The Environment We are Biologically Attuned to



Fractal Design



Fractal Design



Design Recommendations



8 Design for the Human Factor

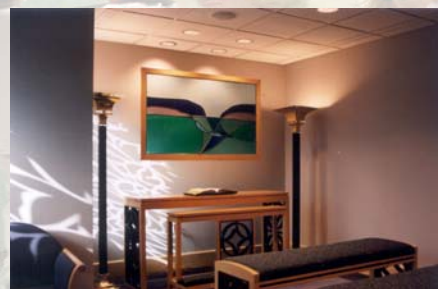


Places that Celebrate Life

The Labyrinth is a Popular Tool to Aid Meditation



Find Peace in a Quiet Space



Provide a Special Place for Privacy,
Prayer and Spiritual Diversity

Food & Celebration Delight the Senses



Design Recommendations



9 Why Experiential Environments



Memory Care Model



Design Recommendations



Create Meaning in the Environment



Create Positive Distractions



Balance Hi-Tech
with Hi-Touch

Advanced Healing Environments Are.....

What do these Environments have in common?



HEALING DESIGN

